

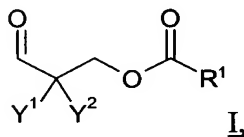
**Amendments to the Claims:**

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A composition comprising:

at least one polyurethane prepolymer A having isocyanate end groups, prepared from at least one polyisocyanate and at least one polyol; and

at least one polyaldimine ~~B which is obtainable~~ obtained from at least one polyamine C having aliphatic primary amino groups and at least one aldehyde ~~D of having the structure of formula~~ Formula I

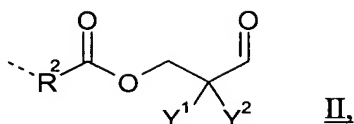


~~wherein~~ wherein ~~Y<sup>1</sup> and Y<sup>2</sup> are either independently of one another are an optionally substituted alkyl, aryl or arylalkyl group which if desired can in each case be substituted, if desired can in each case contain optionally containing heteroatoms and if desired can in each case contain optionally containing unsaturated components, or Y<sup>1</sup> and Y<sup>2</sup> together are connected to one another to form a carbocyclic or heterocyclic ring which has a ring size of between 5 and 8, preferably 6, atoms and if desired has optionally one or two singly unsaturated bonds; and~~

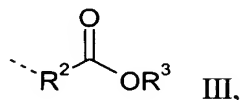
~~R<sup>1</sup> is stands either for a linear or branched alkyl chain having 11 to 30 carbon atoms containing none or, if desired having at least one heteroatom, in particular having at least one ether oxygen, or for a singly or multiply unsaturated linear or branched hydrocarbon chain having 11 to 30 carbon atoms,; or has the structure of Formula II or III:~~

~~or for~~

;

~~or for~~

;



~~wherein~~ wherein  $R^2$  ~~stands for~~ is a linear or branched or cyclic alkylene chain having 2 to 16 carbon atoms, containing if desired having none or at least one heteroatom, ~~in particular having at least one ether oxygen,~~ or for a singly or multiply unsaturated linear or branched or cyclic hydrocarbon chain having 2 to 16 carbon atoms, and wherein

$R^3$  is a linear or branched alkyl chain having 1 to 8 carbon atoms.

2. (Currently Amended) The composition as claimed in claim 1, characterized in that the polyurethane prepolymer A has a free isocyanate group content of 0.1% to 15% by weight, ~~preferably 0.5% - 5% by weight,~~ based on the polyurethane prepolymer as a whole.

3. (Currently Amended) The composition as claimed in claim 1, characterized in that the polyisocyanate for preparing the polyurethane prepolymer A is a diisocyanate, ~~in particular selected from the group consisting of MDI, TDI, HDI and IPDI.~~

4. (Previously Presented) The composition as claimed in claim 1, characterized in that the polyol for preparing the polyurethane prepolymer A has an average OH functionality of 1.6 to 3.

5. (Currently Amended) The composition as claimed in claim 4, characterized in that the polyol is a polyoxyalkylene polyol, ~~in particular~~ having a degree of unsaturation < 0.02 meq/g and a molecular weight  $M_n$  of ~~1000-30,000~~ 1000-30,000 g/mol.

6. (Currently Amended) The composition as claimed in claim 5, characterized in that the polyol is a polyol prepared by means of ~~DMC~~ double metal cyanide complex catalysis.

7. (Currently Amended) The composition as claimed in claim 4, characterized in that the polyol is a polyoxyalkylene polyol, ~~in particular~~ having a molecular weight  $M_n$  of 400-8000 g/mol.

8. (Previously Presented) The composition as claimed in claim 4, characterized in that the polyol is a polyoxypropylene polyol or an EO-endcapped polyoxypropylene polyol.

9. (Currently Amended) The composition as claimed in claim 1, characterized in that for preparing the polyaldimine **B**, the aldehyde **D** is used stoichiometrically or in a stoichiometric excess in relation to the primary amino groups of the polyamine **C**.

10. (Previously Presented) The composition as claimed in claim 1, characterized in that the polyurethane prepolymer **A** and the polyaldimine **B** are present in a ratio of 0.1-1.1 equivalent of aldimine groups per equivalent of isocyanate groups.

11. (Currently Amended) The composition as claimed in claim 1, characterized in that the polyamine **C** having aliphatic primary amino groups is selected from the group

consisting of: 1,6-hexamethylenediamine, MPMD, DAMP, 2,2,4- and 2,4,4-trimethyl-hexamethylenediamine, 4-aminomethyl-1,8-octanediamine, IPDA, 1,3- and 1,4-xylylene-diamine, 1,3- and 1,4-bis(aminomethyl)cyclohexane, bis(4-aminocyclohexyl)methane, bis(4-amino-3-methylcyclohexyl)methane, 3(4),8(9)-bis(aminomethyl)tricyclo[5.2.1.0<sup>2,6</sup>]decane, 1,2-, 1,3- and 1,4-diaminocyclohexane, polyoxyalkylene-polyamines having in theory two or three amino groups, especially Jeffamine<sup>®</sup> EDR-148, Jeffamine<sup>®</sup> D-230, Jeffamine<sup>®</sup> D-400 and Jeffamine<sup>®</sup> T-403, and, in particular, and mixtures thereof of two or more of the aforementioned polyamines.

12. (Currently Amended) The composition as claimed in claim 1, characterized in that the aldehyde **D** used for preparing the polyaldimine **B** is ~~obtainable~~obtained by means of an esterification reaction of a  $\beta$ -hydroxy aldehyde with a carboxylic acid, ~~in particular without the use of a solvent~~, the  $\beta$ -hydroxy aldehyde being prepared, ~~if desired in situ~~, from formaldehyde, ~~and/or paraformaldehyde~~, a mixture of formaldehyde and paraformaldehyde or an oligomeric form of formaldehyde, and from a second aldehyde, ~~this second aldehyde being selected from the group consisting of: isobutyraldehyde, 2-methylbutyraldehyde, 2-ethylbutyraldehyde, 2-methylvaleraldehyde, 2-ethylcaproaldehyde, cyclopentanecarboxaldehyde, cyclohexanecarboxaldehyde, 1,2,3,6-tetrahydrobenzaldehyde, 2-methyl-3-phenylpropionaldehyde, 2-phenylpropionaldehyde and diphenylacetaldehyde~~, preferably isobutyraldehyde.

13. (Currently Amended) The composition as claimed in claim ~~1~~12, characterized in that the aldehyde **D** used for preparing the polyaldimine **B** is obtainable by means of an esterification reaction of wherein the  $\beta$ -hydroxy aldehyde is 3-hydroxypivalaldehyde, ~~which is prepared if desired in situ~~ from formaldehyde, ~~and/or paraformaldehyde~~, or a mixture of

formaldehyde and paraformaldehyde and the second aldehyde is isobutyraldehyde, with a carboxylic acid, in particular without the use of a solvent.

14. (Currently Amended) The composition as claimed in claim ~~13~~12, characterized in that the carboxylic acid used for preparing the aldehyde **D** is selected from the group consisting of: lauric acid, myristic acid, palmitic acid, stearic acid, oleic acid, linoleic acid, linolenic acid, succinic acid, adipic acid, azelaic acid and sebacic acid.

15. (Previously Presented) The composition as claimed in claim 1, characterized in that  $Y^1 = Y^2 = \text{methyl}$ .

16. (Currently Amended) A process for preparing the composition as claimed in claim 1, comprising: ~~a step of~~ preparing a polyaldimine by reacting an aldehyde with an amine.

17. (Currently Amended) The process ~~for preparing the composition, as claimed in~~ claim 16, further comprising ~~a step of preparing an~~ the aldehyde **D** from a carboxylic acid and a  $\beta$ -hydroxy aldehyde, ~~in particular without the use of a solvent, the  $\beta$ -hydroxy aldehyde being prepared, if desired in situ, from formaldehyde, and/or paraformaldehyde, a mixture of formaldehyde and paraformaldehyde or an oligomeric form of formaldehyde, and from a second aldehyde.~~

18. (Currently Amended) The process ~~for preparing the composition, as claimed in~~ claim ~~16~~17, further comprising ~~a step of preparing an~~ aldehyde **D** from a carboxylic acid ~~and wherein the  $\beta$ -hydroxy aldehyde is 3-hydroxypivalaldehyde and the second aldehyde is~~

isobutyraldehyde, ~~in particular without the use of a solvent, and wherein~~ 3-hydroxypivalaldehyde ~~is being prepared, if desired in situ, from formaldehyde, and/or paraformaldehyde,~~  
or a mixture of formaldehyde and paraformaldehyde.

19. (Canceled)

20. (Prevoiusly Presented) An arrangement characterized in that it comprises a composition as claimed in claim 1.

21. (Previously Presented) An article whose surface has been at least partly contacted with a composition as claimed in claim 1.

22. (Currently Amended) A method of adhesive bonding, ~~characterized in that it~~  
~~comprises a step of~~comprising: contacting a surface with a composition as claimed in claim 1.

23. (Currently Amended) A method of sealing, ~~characterized in that it comprises a~~  
~~step of~~comprising: contacting a surface with a composition as claimed in claim 1.

24. (Currently Amended) A method of coating, ~~characterized in that it comprises a~~  
~~step of~~comprising: contacting a surface with a composition as claimed in claim 1.

25. (Currently Amended) The method as claimed in claim 22, ~~characterized in that~~  
~~it comprises~~further comprising an additional step of curing in air.

26. (Currently Amended) The method as claimed in claim 22, ~~characterized in that it further comprises a step of~~ comprising contacting the surface with a water-containing component or an admixture thereof.

27. (New) The composition of claim 1, wherein R<sup>1</sup> is a linear or branched alkyl chain having 11 to 30 carbon atoms containing at least one heteroatom, wherein the heteroatom is at least one ether oxygen.

28. (New) The composition of claim 1, wherein R<sup>2</sup> is a linear or branched or cyclic alkylene chain having 2 to 16 carbon atoms containing at least one heteroatom, wherein the heteroatom is at least one ether oxygen.

29. (New) The composition of claim 2, wherein the polyurethane prepolymer A has a free isocyanate group content of 0.5%-5% by weight based on the polyurethane prepolymer as a whole.

30. (New) The composition of claim 12, wherein the esterification reaction occurs without the use of a solvent.

31. (New) The composition of claim 17, wherein preparation of aldehyde D is without the use of a solvent.